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SCIENTISTS AID FAR EAST FISH INDUSTRY; NIZHNE-AMUR FLEET OPERATIONS LAG

INSTITUTE SETTING UP RESEARCH CENTERS -- Tikhookeanskaya Zvezda, No 150, 28 Jun 49

The Pacific Ocean Institute of Fish Economy and Oceanography is carrying out an extensive program of scientific work this year. The institute is concentrating, in particular, on the study of the biology of herring and salmon, which constitute almost 70 percent of the total fish catch in the Far East. A network of permanent centers is being set up on the main spawning rivers of Kamchatka and the Amur Basin. The Kamchatka division of the institute has done many years' research on the varied and complex factors influencing the variation in the supply of different salmon species.

The institute has also done much research on the Okhotsk coast on the biology and distribution of herring. Several groups of scientific workers, headed by Ayushin, who have been studying the spawning ground of herring along the Okhotsk coast, are gathering data on future reserves of herring in a number of new fishing regions. Scientific workers are also searching for and making test catches of feeding herring on the Okhotsk-Ayan coast. Previous research has shown that in this area the feeding herring form in a dense concentration on the surface of water. One of the plans for this year is to evolve the scientific basis for development of a fishery for catching feeding herring, and thus considerably prolong the fishing season. The study of herring which inhabit waters near the shores of East Kamchatka and the Northern Kurile Islands is being carried out on a much wider scale this year.

The rapid development of the Far East fish industry requires more extensive open-sea fishing. The institute is studying mackerel, "terpuga," tunny, flat fish, cod and other types of fish, the catch of which should be greatly increased. The institute is also doing research in the regions of whale and sea-mammal fisheries, and on the abundant resources of sea grasses, algae, mollusk, trepang, crab, and other invertebrates which provide valuable food and industrial products.

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Industry is already using the results of the institute's research. The method of catching [illegible] is being widely used and is of considerable economic significance. Crab fishermen are now being sent to start a fishery in the vicinity of the Southern Kurile Islands, the crab fields of which were explored in 1948. The institute's recommendation for early-spring line fishing (snyurre-vodnyy lov) of "mintay" in Gulf Petr Velikiy has enabled fishermen to catch large quantities of fish between seasons. The method, developed in 1948, of chemically preserving net cordage by coal tar distillates is being extensively used in southern Primorskiy Kray. Research has also made possible the organization of expeditionary fishing for mackerel and mintay.

The institute is now working on a number of problems of practical importance to the fish industry. It is making tests of a storm-resistant seine, designed by Engineer Kalinovskiy, on the Okhotsk-Ayan coast. Engineer Otmakhov is conducting tests of trawling for crab, using a seiner-type ship, off the West Kamchatka coast. The institute's technologists are developing new types of canned products from herring, mackerel, and a number of invertebrates, and are working out more efficient utilization of raw material by using low temperatures in freezing and storing fish products.

New laboratories specializing in the mechanization of fishing methods and production of fishing supplies, laboratories specializing in fish products, and permanent observation posts in a number of fishing regions are now being created throughout the Far East. The exploration fleet is being equipped with the latest hydroacoustical instruments for finding schools of fish.

The institute's publications are also increasing considerably. In the near future the press expects to publish a guide for canning salmon for canneries of Kamchatka and the Amur and a guide for conducting bacteriological analyses in fish plants. The institute's staff now consists of 30 candidates in science and doctors of sciences. -- P Moiseyev, Candidate in Biological Sciences, deputy director of the institute.

NIZHNE-AMUR TRUST TOPS 6-MONTH PLAN -- Tikhookeanskaya Zvezda, No 149, 26 Jun 49

Enterprises of the Nizhne-Amur State Fish Trust have completed the 6-month plan for catching fish. By 24 June, 4,392 centners of herring and various types of sea fish had been caught above plan. The De-Kastri Fish Combine was the first in the trust to complete the year plan, and caught 3,605 centners of herring and cod above plan. Among other leading enterprises of the trust are the Petrovskaya Kosa Fish Plant, which caught 2,500 centners of fish above the 6-month plan, the Dzhaor Plant, which caught 1,867 centners above plan, and the Ayan and Chumikan fish combines.

NIZHNE-AMUR FISHING FLEET INEFFICIENT -- Tikhookeanskaya Zvezda, No 159, 8 Jul 49

Fish plants and combines in Nizhne-Amur Oblast, particularly those located on the banks of the Amur and the estuary, are preparing for the autumn dog-salmon season which will start soon. The motorized fleet, which is to play an important part in the season, is still not ready for operations. The mass idleness of the fleet results primarily from the inefficient organization of ship repairs throughout the Nizhne-Amur State Fish Trust. There have been large losses in the herring catch this year because of the unpreparedness of the fleet. The lack of ships has delayed shipment of the catch to processing areas, and the amount of spoilage has been great. Expeditionary fishing by 24 brigades in the Gulf Aleksandra and expeditions to Reynik Gulf

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and Cape Litke have been delayed until now because of the lack of cutters. The trust has a sufficient number of motorized ships both for catching fish and for making preparations at plants for the autumn season, but has not been efficient in handling its fleet.

OKHOTSK PLANTS START FISH SHIPMENTS -- Tikhookeanskaya Zvezda, No 145, 22 Jun 49

Fish industry enterprises on the Okhotsk coast have started shipping the herring caught during the spring season. The refrigerator ship Neva recently arrived from Vladivostok, loaded with nearly 500 tons of salted herring from the Kukhtuyskiy, Okhotsk, Novo-Ust'inskiy, and Morskoy fish plants. Fishing enterprises of the region have prepared nearly 2,000 tons of fish for early shipment to consumers.

CHUKOT MARINE MAMMAL CATCH INCREASES -- Tikhookeanskaya Zvezda, No 144, 21 Jun 49

Anadyr' -- Kolkhoz workers in Chukotskiy Rayon are increasing their catch of marine mammals and have maintained a continually good catch by going far out to sea. Included in their catch are walrus, Greenland seal, white grampus, and a large number of seal.

FISHING FLEET PERSONNEL GRADUATE -- Molodoy Dal'nevostochnik, No 114, 19 Jun 49

The training combine of the Nizhne-Amur State Fish Trust has just graduated 21 persons from its 6-month course for ship navigators of the fishing fleet. The graduates are reporting for work in the trust's fishing enterprises.

OKHOTSK OBTAINS NAVIGATION SCHOOL GRADUATES -- Tikhookeanskaya Zvezda, No 152 30 Jun 49

Of the 78 new graduates of the 2-year navigation program at the Nikolayevsk-on-Amur Fish Industry Navigation School, Nizhne-Amur State Fish Trust, 62 have received travel orders for work in enterprises on the Okhotsk coast.

FISHING AND OCEANOGRAPHY INSTITUTE ACCEPTING GRADUATE STUDENTS -- Vechernyaya Moskva, No 171, 20 Jul 49

The All-Union Scientific Research Institute of Sea Fishing and Oceanography (VNIRO) is accepting graduate students for the 1949-1950 school year in the following specialties: ichthyology, pisciculture, hydrobiology, industrial fishing, and technology of fish products. The course of instruction is 3 years.

Citizens under 40 who have completed higher education and who have had not less than 2 years' experience in their specialty are accepted. Entrance tests are given of principles of Marxism-Leninism, a specialty, and one foreign language.

Address: Moscow, 140; V. Krasnoselskaya, 17, VNIRO. -- Advertisement

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